

Review of: "Evaluation of Antioxidant Activity and α -Amylase Inhibitory Potential of *Melilotus indicus* Ethanolic Extract: An In Vitro and In Silico Study"

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Potential competing interests: No potential competing interests to declare.

Background:

This article's background consists of 2 paragraphs; actually, paragraph 1 contains more than 1 topic. Thus, I suggest subtracting the paragraph into two: the 1st may become the general information about the plant, and the 2nd may consist of phytochemicals and applications of the plant thus far. Your current 2nd paragraph did not depict the urgency for the research to be conducted; therefore, I suggest that if there is any story of the local society applying the plant for medicine, that may lift the background.

This study covers two different topics: the antioxidant and the simulation of α -Amylase Inhibitory Potential; authors need to explain why and how to connect the study briefly in the background.

Materials and methods

Part of 2.1, the plant collection explanation **"The plant's aerial parts were collected from the pharmacy college garden and were identified by Dr. Ula Almousawii as *Melilotus indicus*. Figure 1 illustrates the leaves and flowers of the plant, while Figure 2 shows the distribution of *Melilotus indicus* in Iraq. The aerial parts of the plant were dried in the shade until completely dry. The dried material weighed 15 grams and was used for the extraction process"** should be the figure legend. For the explanation, in my opinion, it is better to explain when, where, and the detailed collection process rather than explain the figure in the paragraph.

Extraction process: How many cycles of the extraction process were applied?

Determination of flavonoid content: material sources? If possible, catalog#?

Results and Discussion: We need to explain smoothly why the docking study needs to be conducted. In a discussion, I suggest emphasizing the story for bridging the flavonoid from extract to the docking study.